

Revision Date: 05/15/2007

Issue date: 05/15/2007

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product name: Nordbak UltraHigh Temp Pneu
Product type: Epoxy Resin
Company address:
 Henkel Corporation
 1001 Trout Brook Crossing
 Rocky Hill, Connecticut 06067

Item No. : 9633_10349000 / IDH No. 702202
Region: United States
Contact Information:
 Telephone: 860.571.5100
 Emergency telephone: 860.571.5100
 Internet: www.loctite.com

2. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Hazardous components</u>	<u>%</u>	<u>ACGIH TLV</u>	<u>OSHA PEL</u>	<u>OTHER</u>
Aluminum oxide 1344-28-1	60-100	10 mg/m ³ TWA particulate matter containing no asbestos and <1% crystalline silica	15 mg/m ³ TWA total dust 5 mg/m ³ TWA respirable fraction	None
Oxiranemethanamine N,N'-(methylenedi-4,1-phenylene)bis(N-oxiranylmethyl) 28768-32-3	10-30	None	None	None
Silicon carbide 409-21-2	5-10	0.1 fiber/cm ³ TWA length >5 µm, aspect ratio ≥3:1, as determined by the membrane filter method at 400-450X magnification [4-mm objective], using phase-contrast illumination 10 mg/m ³ TWA particulate matter containing no asbestos and <1% crystalline silica 3 mg/m ³ TWA particulate matter containing no asbestos and <1% crystalline silica	15 mg/m ³ TWA total dust 5 mg/m ³ TWA respirable fraction	None
Neopentyl glycol diglycidyl ether 17557-23-2	1-5	None	None	None
Treated fumed silica 67762-90-7	1-5	10mg/m ³ Inhalable fraction, 3mg/m ³ Respirable fraction, TWA	5mg/m ³ Respirable dust, 15mg/m ³ Total dust	None
Iron oxide 1309-37-1	1-5	1 mg/m ³ TWA 5 mg/m ³ TWA	10 mg/m ³ TWA	None

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Physical state: Paste
Color: Dark grey
Odor: Nondescript

HMIS:

HEALTH: 2*
FLAMMABILITY: 1
PHYSICAL HAZARD: 0
Personal Protection: See Section 8

WARNING: MAY CAUSE ALLERGIC SKIN REACTION.
 CAUSES EYE IRRITATION.
 MAY BE HARMFUL IF SWALLOWED.
 MAY CAUSE RESPIRATORY TRACT IRRITATION.
 MAY CAUSE SKIN IRRITATION.

Relevant routes of exposure:

Eyes, Skin, Inhalation, Ingestion

Potential Health Effects

Inhalation:

May cause respiratory tract irritation.

Skin contact:

Allergic skin reaction. Itching. Rash. Mild skin irritation. Redness. Prolonged contact with skin may cause dermatitis.

Eye contact:

Severe eye irritation. May cause eye injury. Blurred vision. Excess tearing. Pain and discomfort.

Ingestion:

May be harmful if swallowed. Moderately toxic by ingestion. Ingestion may cause stomach ache and vomiting. Nausea.

Existing conditions aggravated by exposure:

Respiratory disorders. Skin disorders. Eye disorders. Eczema. Pre-existing skin or lung allergies may increase the chance of developing exaggerated allergic symptoms from exposure to this product.

See Section 11 for additional toxicological information.

4. FIRST AID MEASURES

Inhalation:

Remove to fresh air. If discomfort persists seek medical attention.

Skin contact:

Immediately flush skin with plenty of water (using soap, if available). Remove contaminated clothing and shoes. Wash clothing before reuse. Get medical attention if symptoms occur.

Eye contact:

Immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention.

Ingestion:

DO NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention immediately.

Notes to physician:

None.

5. FIRE-FIGHTING MEASURES

Flash point:

93°C (200°F) Pensky Martens closed cup

Autoignition temperature:

Not available

Flammable/Explosive limits-lower %:

Not available

Flammable/Explosive limits-upper %:

Not available

Extinguishing media:

Water spray (fog), foam, dry chemical or carbon dioxide.

Special fire fighting procedures:

Wear self-contained breathing apparatus and full protective clothing, such as turn-out gear. Use water spray to keep fire exposed containers cool. Caution should be exercised when using water or foam as frothing may occur.

Unusual fire or explosion hazards:

Closed containers may rupture (due to build up of pressure) when exposed to extreme heat.

Hazardous combustion products:

Oxides of nitrogen. Oxides of carbon. Aldehydes. Acids. Toxic fumes. Phenolics. Ammonia.

6. ACCIDENTAL RELEASE MEASURES

Environmental precautions:

Prevent product from entering the drains.

Clean-up methods:

Immediately contact emergency personnel. Remove all ignition sources. Keep unnecessary personnel away.

7. HANDLING AND STORAGE

Handling:	Do not swallow. Avoid contact with eyes, skin and clothing. Wash thoroughly after handling.
Storage:	Keep in a cool, well ventilated area away from heat, sparks and open flame. Keep container tightly closed until ready for use. Store at or below 4.4°C (40°F).
Incompatible products:	Not available

For information on product shelf life contact Henkel Customer Service at (800) 243-4874.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering controls:	Not normally needed. Use local exhaust ventilation if the potential for airborne exposure exists.
Respiratory protection:	Use NIOSH approved respirator if there is potential to exceed exposure limit(s).
Skin protection:	Chemical resistant, impermeable gloves.
Eye/face protection:	Chemical splash goggles or safety glasses with side shields. Full face protection should be used if the potential for splashing or spraying of product exists.

See Section 2 for exposure limits.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state:	Paste
Color:	Dark grey
Odor:	Nondescript
Vapor pressure:	Not available
pH:	Not applicable
Boiling point/range:	Not available
Melting point/range:	Not available
Specific gravity:	2.3745
Vapor density:	Greater than 1 (air equals 1)
Evaporation rate:	Slower than butyl acetate
Solubility in water:	Insoluble.
Partition coefficient (n-octanol/water):	Not available
VOC content:	0%; 0 grams/liter

10. STABILITY AND REACTIVITY

Stability:	Stable.
Hazardous polymerization:	May occur.
Hazardous decomposition products:	None
Incompatability:	Acids. Alkalis. Strong oxidizers. Strong acids. Amines. Mercaptans.
Conditions to avoid:	None known.

11. TOXICOLOGICAL INFORMATION

Product toxicity data:	Not available
-------------------------------	---------------

Carcinogen Status

Hazardous components	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen
Aluminum oxide 1344-28-1	No	No	No
Oxiranemethanamine N,N' - (methylenedi-4,1-phenylene)bis(N- (oxiranylmethyl) 28768-32-3	No	No	No
Silicon carbide 409-21-2	No	No	No
Neopentyl glycol diglycidyl ether 17557-23-2	No	No	No
Treated fumed silica 67762-90-7	No	No	No
Iron oxide 1309-37-1	No	No	No

Literature Referenced Target Organ & Other Health Effects

Hazardous components	Health Effects/Target Organs
Aluminum oxide 1344-28-1	Corrosive, Irritant, Nuisance dust
Oxiranemethanamine N,N' - (methylenedi-4,1-phenylene)bis(N- (oxiranylmethyl) 28768-32-3	Allergen, Blood, Central nervous system, Gastrointestinal, Irritant, Kidney, Liver, Nervous System, Mutagen
Silicon carbide 409-21-2	Nuisance dust
Neopentyl glycol diglycidyl ether 17557-23-2	Allergen, Irritant, Blood, Immune system, Bone Marrow, Reproductive
Treated fumed silica 67762-90-7	Irritant
Iron oxide 1309-37-1	Lung, Liver, Kidney, Irritant, Central nervous system, Cardiac, Allergen

12. ECOLOGICAL INFORMATION

Ecological information: Not known

13. DISPOSAL CONSIDERATIONS

Information provided is for unused product only.

Recommended method of disposal: Dispose according to EPA and local governmental regulations.

EPA hazardous waste number: Not a RCRA hazardous waste.

14. TRANSPORT INFORMATION

U.S. Department of Transportation Ground (49 CFR):

Proper shipping name: Not regulated
Hazard class or division: None
Identification number: None
Packing group: None

International Air Transportation (ICAO/IATA):

Proper shipping name: Not regulated
Hazard class or division: None
Identification number: None
Packing group: None

WaterTransportation (IMO/IMDG):

Proper shipping name: Not regulated
Hazard class or division: None
Identification number: None
Packing group: None
Marine pollutant: None

15. REGULATORY INFORMATION

United States Regulatory Information

TSCA 8 (b) Inventory Status:	All components are listed or are exempt from listing on the Toxic Substances Control Act Inventory.
TSCA 12 (b) Export Notification:	None.
CERCLA/SARA Section 302 EHS:	None above reporting de minimus.
CERCLA/SARA Section 311/312:	Immediate Health Hazard, Delayed Health Hazard
CERCLA/SARA 313:	This product contains the following toxic chemicals subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 (40 CFR 372). Aluminum oxide (CAS# 1344-28-1).
California Proposition 65:	This product contains a chemical known to the State of California to cause cancer and birth defects or other reproductive harm.

Canada Regulatory Information

CEPA DSL/NDL Status:	All components are listed on or are exempt from listing on the Domestic Substances List.
WHMIS hazard class:	D.2.B

16. OTHER INFORMATION

This material safety data sheet contains changes from the previous version in sections: 2, 11, 15

Prepared by: Gary Pierson, Sr. Product Safety and Regulatory Affairs Specialist

DISCLAIMER: The data contained herein are furnished for information only and are believed to be reliable. However, Henkel Corporation does not assume responsibility for any results obtained by persons over whose methods Henkel Corporation has no control. It is the user's responsibility to determine the suitability of Henkel's products or any production methods mentioned herein for a particular purpose, and to adopt such precautions as may be advisable for the protection of property and persons against any hazards that may be involved in the handling and use of any of Henkel Corporation's products. In light of the foregoing, Henkel Corporation specifically disclaims all warranties, express or implied, including warranties of merchantability and fitness for a particular purpose, arising from sale or use of Henkel Corporation's products. Henkel Corporation further disclaims any liability for consequential or incidental damages of any kind, including lost profits.